

FIG. 1

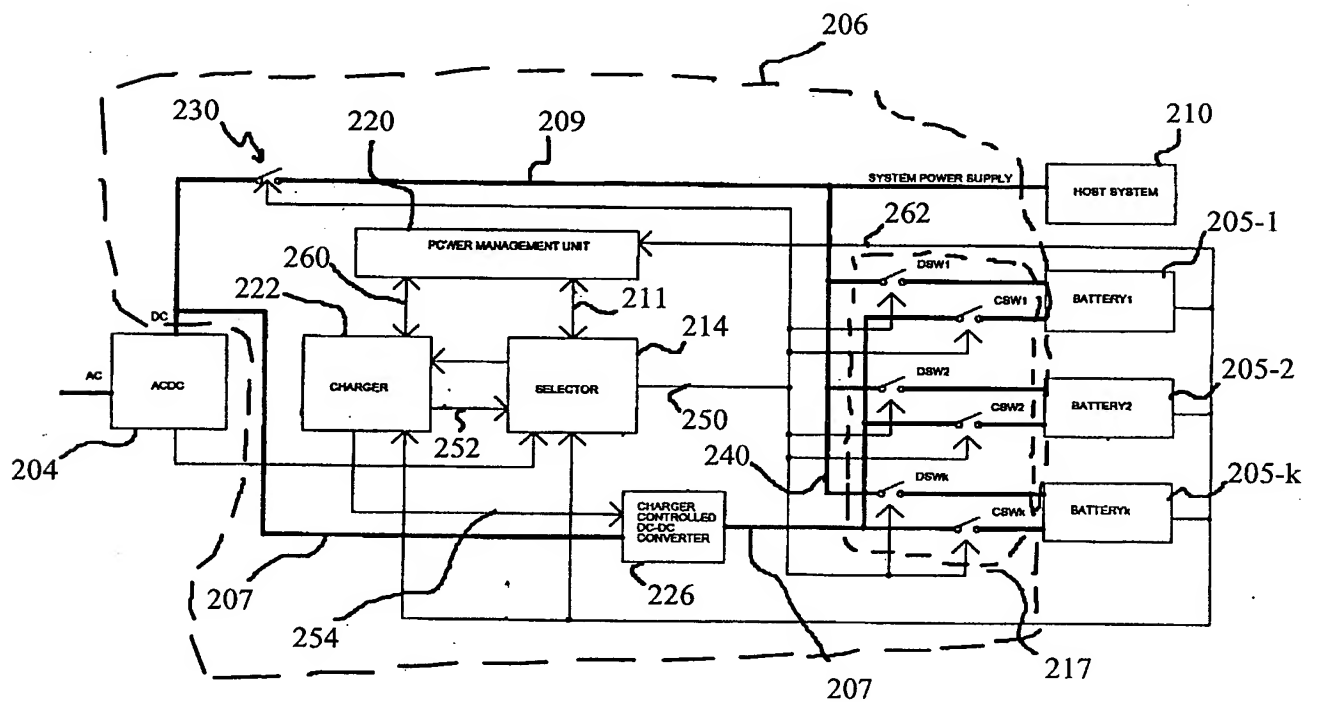


FIG. 2

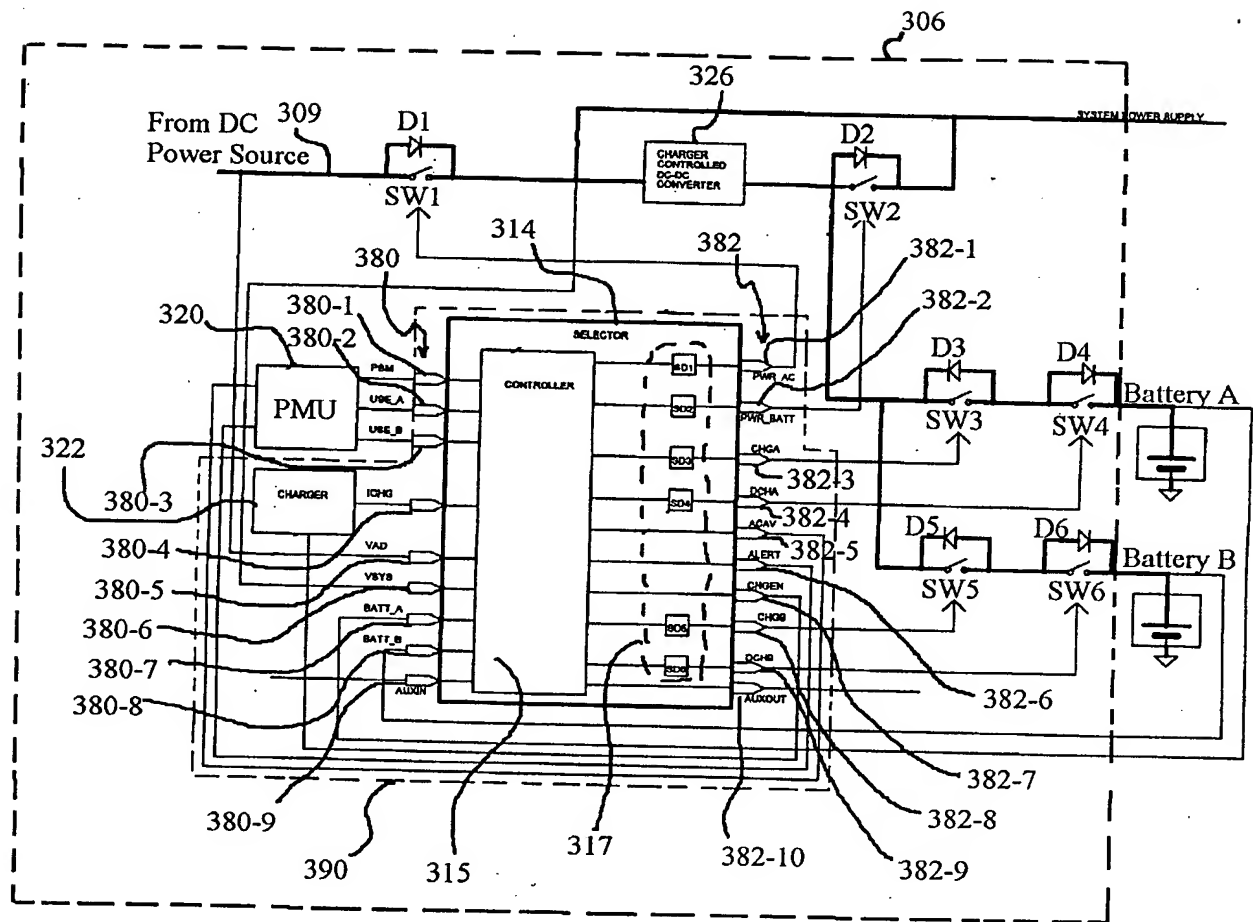


FIG. 3

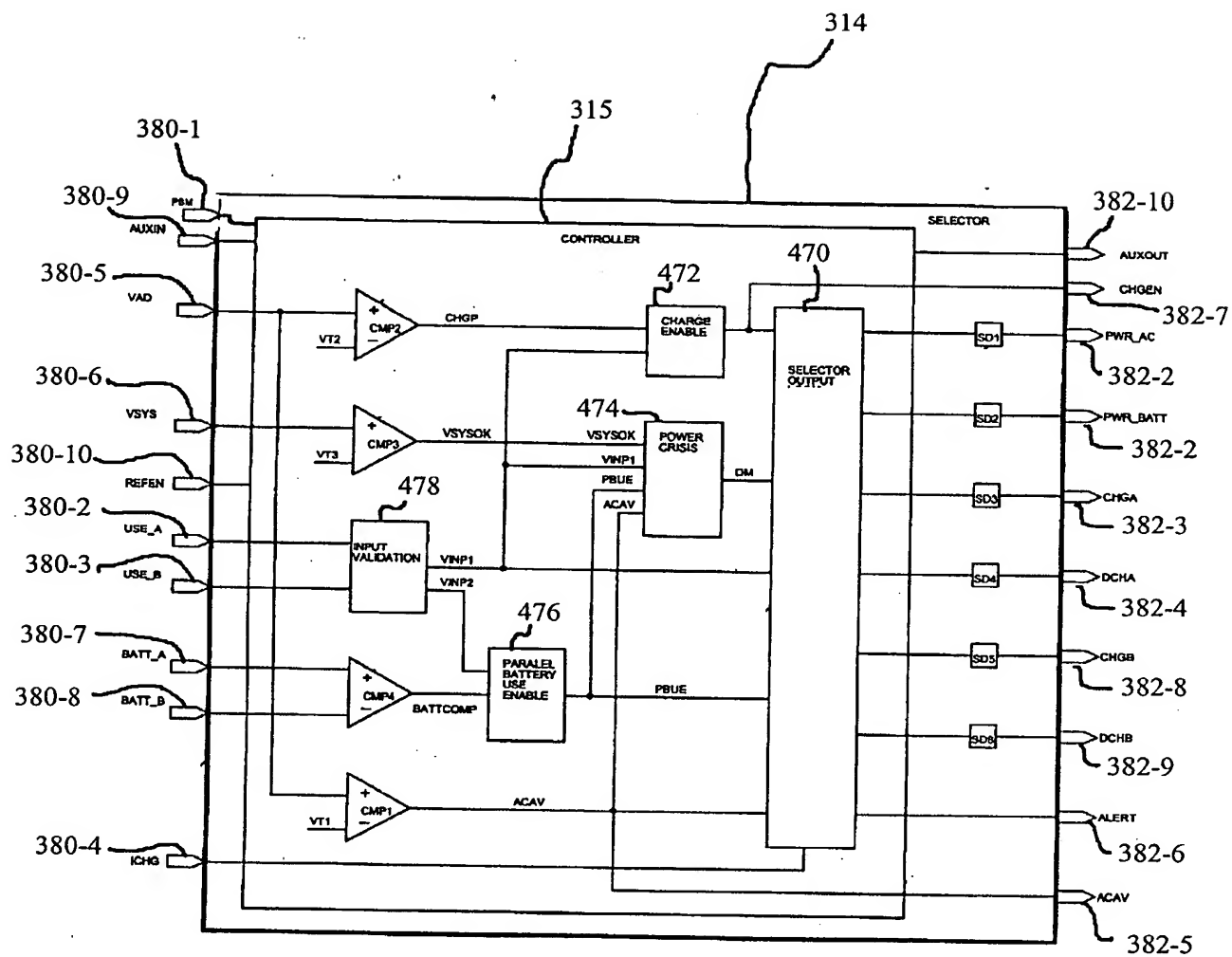


FIG. 4

500

Signal States USE_A USE_B Lower voltage battery Charging Current Signal VINP1 CHGEN PBUE	USE signals Indicate Battery A		USE signals Indicate Battery B		USE signals Indicate Battery A and B in parallel						USE signals Indicate neither Battery A or B
	502	504	506	508	510	512	514	516	518	520	522
USE_A	low	low	high	high	low	low	low	low	low	low	high
USE_B	high	high	low	low	high	low	low	low	low	low	high
Lower voltage battery	X	X	X	X	X	X	A	A	B	B	X
Charging Current Signal	low	high	low	high	low	high	low	high	low	high	low
VINP1	high	high	high	high	high	high	high	high	high	high	low
CHGEN	high	high	high	high	high	high	high	high	high	high	low
PBUE	low	low	low	low	high	high	low	low	low	low	low
Switch States											
SW1	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
SW2	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
SW3	ON	ON	OFF	OFF	ON	ON	ON	ON	OFF	OFF	OFF
SW4	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
SW5	OFF	OFF	ON	ON	ON	ON	OFF	OFF	ON	ON	OFF
SW6	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	OFF

FIG. 5

600

602 604 606

Supply Mode	Targeted Supply Battery	Nbssm1 A	Nbssm1 B	Nbssm1 A+B
VINP1	high	high	high	high
VINP2	low	low	low	high
BATTCOMP	X	X	X	high
PBLUE	low	low	high	high
SW1	OFF	OFF	OFF	OFF
SW2	ON	ON	ON	ON
SW3	ON	OFF	ON	ON
SW4	ON	OFF	ON	ON
SW5	OFF	ON	ON	ON
SW6	OFF	ON	ON	ON

FIG. 6



FIG. 7

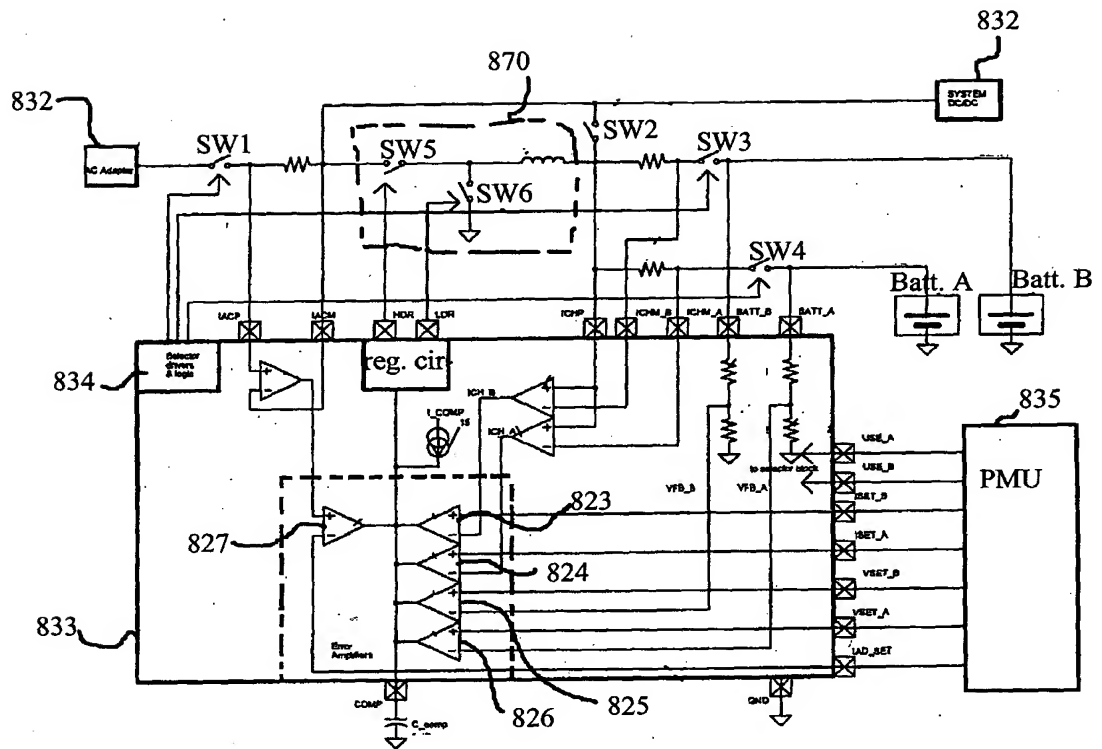


FIG. 8

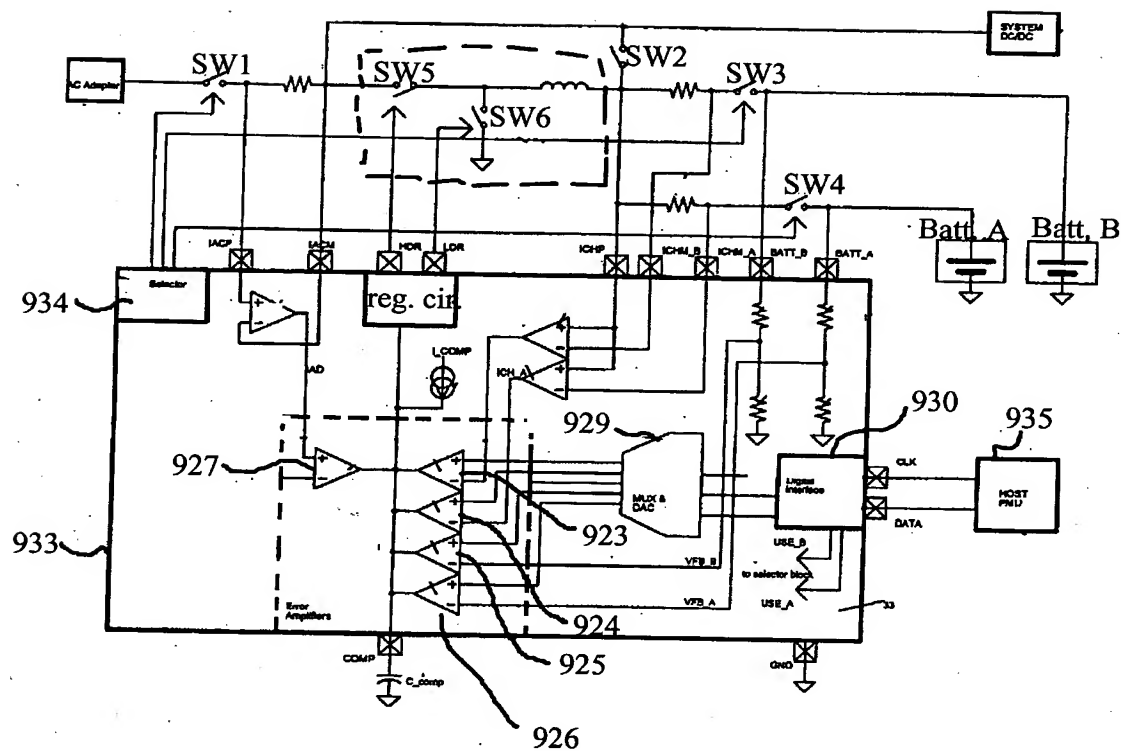


FIG. 9